

Sertisseurs oléopneumatiques

Oleopneumatic crimping tools

TFS100

code 99S100



- Force / Force = 2800 daN
- Course / Stroke = 2 - 8 mm

Réglage course
Stroke setting

Coffret contenant un sertisseur oléopneumatique pour inserts filetés livré avec outillage standard de M4 à M10

Case containing one oleopneumatic crimping tool for threaded inserts delivered with M4 to M12 standard tooling



CLUFIX®	ØM	Acier Steel	Inox Stainless Steel	Inox 316L 316L Stainless Steel	Aluminium
	M 4	●	●	●	●
	M 5	●	●	●	●
	M 6	●	●	●	●
	M 8	●	●	●	●
	M 10	●	●	●	●
	M 12	●	●	●	●

CLUFIX-STUD™	ØM	Acier Steel
	M 5	●
	M 6	●
	M 8	●

OUTILLAGE POUR TFS100

TOOLING FOR TFS100

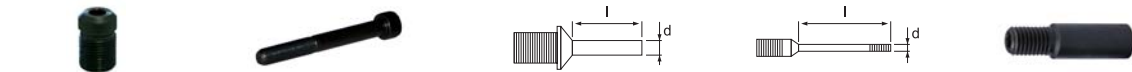
CLUFIX®

Enclumes et tirants (vis CHC NF EN ISO 4762 classe 12.9)
Anvils and tie-rods (hexagon socket head cap screws 12.9 grade)

Tirants et enclumes prolongés
Extended tie-rods and anvils

CLUFIX-STUD™

Tirant CLUFIX-STUD™
CLUFIX-STUD™ tie-rod



ENCLUME / ANVIL

ØM	Code
M 2.5	99S10001EN025
M 3	99S10001EN030
M 4	99S10001EN040
M 5	99S10001EN050
M 6	99S10001EN060
M 8	99S10001EN080
M 10	99S10001EN100
M 12	99S10001EN120

TIRANT / TIE-ROD

ØM x l	Code
M 2.5 x 70	99S10001TI025
M 3 x 70	99S10001TI030
M 4 x 70	99S10001TI040
M 5 x 70	99S10001TI050
M 6 x 70	99S10001TI060
M 8 x 70	99S10001TI080
M 10 x 70	99S10001TI100
M 12 x 70	99S10001TI120

ENCLUME / ANVIL

ØM	d x l	Code
M 4	Ø8.5x25	99S10001EN201
	Ø8.5x50	99S10001EN202
M 5	Ø9.5x25	99S10001EN203
	Ø9.5x50	99S10001EN204
M 6	Ø11.5x25	99S10001EN205
	Ø11.5x50	99S10001EN206
M 8	Ø14.5x25	99S10001EN207
	Ø14.5x50	99S10001EN208

TIRANT / TIE-ROD

ØM	d x l	Code
M 4	M 4 x 90	99S10001TI201
	M 4 x 120	99S10001TI202
M 5	M 5 x 100	99S10001TI203
	M 5 x 120	99S10001TI204
M 6	M 6 x 100	99S10001TI205
	M 6 x 120	99S10001TI206
M 8	M 8 x 100	99S10001TI207
	M 8 x 120	99S10001TI208

TIRANT / TIE-ROD

ØM	Code
M 5	99S10003TI050
M 6	99S10003TI060
M 8	99S10003TI080

TFS101

code 99S101



- Force / Force = 1450 daN
- Course / Stroke = 1 à 7 mm

2 150 g

Coffret contenant un sertisseur oléopneumatique pour inserts filetés livré avec outillage standard de M3 à M8

Case containing one oleopneumatic crimping tool for threaded inserts delivered with M3 to M8 standard tooling



CLUFIX®	ØM	Acier Steel	Inox Stainless Steel	Inox 316L 316L Stainless Steel	Aluminium
	M 2.5	●	●	●	●
	M 3	●	●	●	●
	M 4	●	●	●	●
	M 5	●	●	●	●
	M 6	●	●	●	●
	M 8	●	○	○	●

OUTILLAGE POUR TFS101

TOOLING FOR TFS101

CLUFIX®

Tirants et enclumes
Tie-rods and anvils

ENCLUME / ANVIL

ØM	Code
M 2.5	99S10101EN025
M 3	99S10101EN030
M 4	99S10101EN040



ØM	Code
M 5	99S10101EN050
M 6	99S10101EN060
M 8	99S10101EN080

TIRANT / TIE-ROD

ØM	Code
M 2.5	99S10101TI025
M 3	99S10101TI030
M 4	99S10101TI040

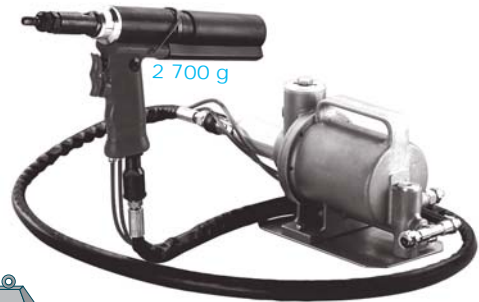


ØM	Code
M 5	99S10101TI050
M 6	99S10101TI060
M 8	99S10101TI080

Sertisseurs oléopneumatiques

Oleopneumatic crimping tools

TFS102 code 99S102



2 700 g

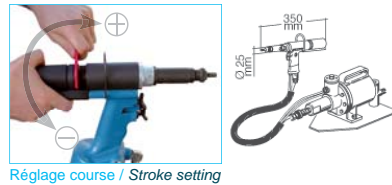
Sertisseurs oléopneumatiques pour inserts filetés de M2.5 à M12. Corps du pistolet du TFS102 séparé du booster. Conseillé pour l'emploi sur chaîne de fabrication

Oleopneumatic crimping tools for M2.5 to M12 threaded inserts. TFS102 tool body separated from the booster. Recommended for use on an assembly line

ØM	Acier Steel	Inox Stainless Steel	Inox 316L 316L Stainless Steel	Aluminium
M 2,5	●	●	●	●
M 3	●	●	●	●
M 4	●	●	●	●
M 5	●	●	●	●
M 6	●	●	●	●
M 8	●	●	●	●
M 10	●	●	●	●
M 12	●	○	○	●

6 850 g

- Force / Force = 2800 daN
- Course / Stroke = 9 mm max.



Réglage course / Stroke setting

(AP70304)



2 930 g

- Force / Force = 2400 daN
- Course / Stroke = 9 mm max.

ØM	Acier Steel
M 5	●
M 6	●
M 8	●

ØM	Acier Steel	Inox Stainless Steel
M 5	●	●
M 6	●	●
M 8	●	●
M 10	●	●
M 12	●	●



ØM	Acier Steel	Inox Stainless Steel
M 4	●	●
M 5	●	●
M 6	●	●
M 8	●	●
M 10	●	●

OUTILLAGE POUR TFS102 et AP70304

TOOLING FOR TFS102 and AP70304

CLUFIX®

Tirants et enclumes
Tie-rods and anvils



ENCLUME / ANVIL

ØM	Code
M 2.5	99S10201EN025
M 3	99S10201EN030
M 4	99S10201EN040
M 5	99S10201EN050
M 6	99S10201EN060
M 8	99S10201EN080
M 10	99S10201EN100
M 12	99S10201EN120

TIRANT / TIE-ROD

ØM	Code
M 2.5	99S10201TI025
M 3	99S10201TI030
M 4	99S10201TI040
M 5	99S10201TI050
M 6	99S10201TI060
M 8	99S10201TI080
M 10	99S10201TI100
M 12	99S10201TI120

Tirants et enclumes prolongés
Extended tie-rods and anvils



ENCLUME / ANVIL

ØM	d x l	Code
M 4	Ø8.5x25	99S10201EN201
	Ø8.5x50	99S10201EN202
M 5	Ø9.5x25	99S10201EN203
	Ø9.5x50	99S10201EN204
M 6	Ø11.5x25	99S10201EN205
	Ø11.5x50	99S10201EN206
M 8	Ø14.5x25	99S10201EN207
	Ø14.5x50	99S10201EN208

TIRANT / TIE-ROD

ØM	d x l	Code
M 4	M 4 x 50	99S10201TI201
	M 4 x 75	99S10201TI202
M 5	M 5 x 54	99S10201TI203
	M 5 x 79	99S10201TI204
M 6	M 6 x 57	99S10201TI205
	M 6 x 82	99S10201TI206
M 8	M 8 x 65	99S10201TI207
	M 8 x 90	99S10201TI208

CLUFIX-STUD™

Kit tirant et enclume CLUFIX-STUD™
CLUFIX-STUD™ tie-rod and anvil kit



ENCLUME / ANVIL

ØM	Code
M 5	99S10203EN050
M 6	99S10203EN060
M 8	99S10203EN080

TIRANT / TIE-ROD

ØM	Code
M 5	99S10203TI050
M 6	99S10203TI060
M 8	99S10203TI080

FLUSHFIX®

Enclumes FLUSHFIX® (tirants idem CLUFIX®)
FLUSHFIX® anvils (same tie-rods as CLUFIX®)



ENCLUME / ANVIL

ØM	Code
M 4	99S10204EN040
M 5	99S10204EN050
M 6	99S10204EN060

ØM	Code
M 8	99S10204EN080
M 10	99S10204EN100



Appareil n'étant plus proposé à la vente. Outillages et pièces détachées toujours disponibles
This tool is no longer available for sale. Tooling and spare parts are still available

ENDFIX®

L'outillage ENDFIX® se compose d'une enclume dédiée à la pose de ces inserts sur tubes ainsi que d'un tirant fileté standard (cf : outillage CLUFIX®).

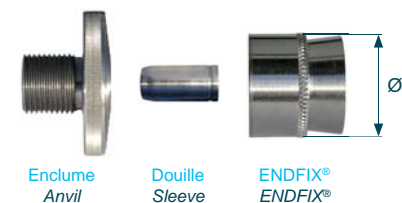
Seul les ENDFIX® M12 de ØJ allant de 20 à 26 mm nécessitent l'utilisation d'un tirant spécifique (Code : 99S10204TI120).

Pour rendre les enclumes ENDFIX® compatibles avec l'ensemble des diamètres de tirant, cet outillage est accompagné d'un kit de douilles correspondant. Ces douilles assurent l'interface entre l'enclume et le tirant en limitant le jeu entre ces deux composants.

ENDFIX® tooling consists of an anvil dedicated to the installation of these inserts on tubes, as well as of a standard threaded tie-rod (see: CLUFIX® tooling).

Only M12 ENDFIX® with ØJ from 20 to 26 mm, necessitate the use of a specific tie-rod (Code : 99S10204TI120).

To make ENDFIX® anvils compatible with all tie-rod diameters, this tooling is accompanied by a corresponding set of sleeves. These sleeves provide the interface between the anvil and the tie-rod by limiting clearance between the two components.



ØJ ENDFIX®							Code enclume / Anvil code
17 / 17.5	21	25 / 25.5	29 / 29.6	34	38	42	99S10204EN201
18	22 / 22.4	26	30	35 / 35.2	39		99S10204EN202
15 / 15.5	19 / 19.5	23 / 23.5	27 / 27.6	31	36	41	99S10204EN203
16	20	24	28 / 28.5	32 / 32.6	37		99S10204EN204
13 / 13.2	17 / 17.5	21					99S10204EN205
13.6 / 14	18	22 / 22.4					99S10204EN206

Sertisseurs oléopneumatiques

Oleopneumatic crimping tools

TFS103

code 99S103



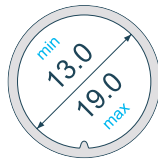
1 825 g

- Force / Force = 500 - 1300 daN
- Course / Stroke = 8 mm max.

Sertisseur oléopneumatique pour inserts filetés de M3 à M8 / Oleopneumatic crimping tool for M3 to M8 threaded inserts

ØM	Acier Steel	Inox Stainless Steel	Inox 316L 316L Stainless Steel	Aluminium
M 3	●	●	●	●
M 4	●	●	●	●
M 5	●	●	●	●
M 6	●	●	●	●
M 8	○	○	○	●

ØM	Acier Steel	Inox Stainless Steel
M 5	●	●
M 6	●	●
M 8	●	●



TFS104

code 99S104



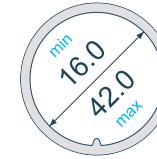
3 660 g

- Force / Force = 1100 - 2900 daN
- Course / Stroke = 8 mm max.

Sertisseur oléopneumatique pour inserts filetés de M4 à M12 / Oleopneumatic crimping tool for M4 to M12 threaded inserts

ØM	Acier Steel	Inox Stainless Steel	Inox 316L 316L Stainless Steel	Aluminium
M 4	●	●	●	●
M 5	●	●	●	●
M 6	●	●	●	●
M 8	●	●	●	●
M 10	●	●	●	●
M 12	●	●	●	●

ØM	Acier Steel	Inox Stainless Steel
M 6	●	●
M 8	●	●
M 10	●	●
M 12	●	●



OUTILLAGE POUR TFS103

TOOLING FOR TFS103

CLUFIX®

Tirants et enclumes / Tie-rods and anvils

ENCLUME / ANVIL

ØM	Code
M 3	99S10301EN030
M 4	99S10301EN040
M 5	99S10301EN050



ØM	Code
M 6	99S10301EN060
M 8	99S10301EN080

TIRANT / TIE-ROD

ØM	Code	ØM	Code
M 3	99S10301TI030	M 6	99S10301TI060
M 4	99S10301TI040	M 8	99S10301TI080
M 5	99S10301TI050		



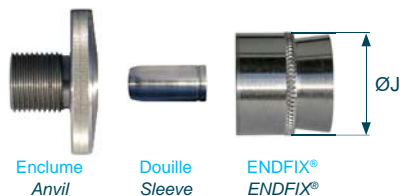
ENDFIX®

L'outillage ENDFIX® se compose d'une enclume dédiée à la pose de ces inserts sur tubes ainsi que d'un tirant fileté standard (cf : outillage CLUFIX®).

Pour rendre les enclumes ENDFIX® compatibles avec l'ensemble des diamètres de tirant, cet outillage est accompagné d'un kit de douilles correspondant. Ces douilles assurent l'interface entre l'enclume et le tirant en limitant le jeu entre ces deux composants.

ENDFIX® tooling consists of an anvil dedicated to the installation of these inserts on tubes, as well as of a standard threaded tie-rod (see: CLUFIX® tooling).

To make ENDFIX® anvils compatible with all tie-rod diameters, this tooling is accompanied by a corresponding set of sleeves. These sleeves provide the interface between the anvil and the tie-rod by limiting clearance between the two components.



ØJ ENDFIX®			Code enclume / Anvil code
13 / 13.2	17 / 17.5	21	99S10304EN201
13.6 / 14	18	22 / 22.4	99S10304EN202
15 / 15.5	19 / 19.5		99S10304EN203
16	20		99S10304EN204

OUTILLAGE POUR TFS104

TOOLING FOR TFS104

CLUFIX® - FLUSHFIX®

Tirants et enclumes / Tie-rods and anvils

ENCLUME / ANVIL

ØM	Code
M 4	99S10401EN040
M 5	99S10401EN050
M 6	99S10401EN060



ØM	Code
M 8	99S10401EN080
M 10	99S10401EN100
M 12	99S10401EN120

TIRANT / TIE-ROD

ØM	Code	ØM	Code
M 4	99S10401TI040	M 8	99S10401TI080
M 5	99S10401TI050	M 10	99S10401TI100
M 6	99S10401TI060	M 12	99S10401TI120



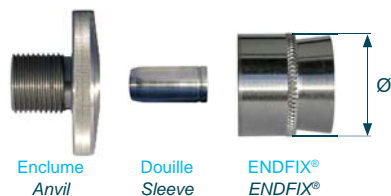
ENDFIX®

L'outillage ENDFIX® se compose d'une enclume dédiée à la pose de ces inserts sur tubes ainsi que d'un tirant fileté standard (cf : outillage CLUFIX®).

Pour rendre les enclumes ENDFIX® compatibles avec l'ensemble des diamètres de tirant, cet outillage est accompagné d'un kit de douilles correspondant. Ces douilles assurent l'interface entre l'enclume et le tirant en limitant le jeu entre ces deux composants.

ENDFIX® tooling consists of an anvil dedicated to the installation of these inserts on tubes, as well as of a standard threaded tie-rod (see: CLUFIX® tooling).

To make ENDFIX® anvils compatible with all tie-rod diameters, this tooling is accompanied by a corresponding set of sleeves. These sleeves provide the interface between the anvil and the tie-rod by limiting clearance between the two components.



ØJ ENDFIX®							Code enclume / Anvil code
17 / 17.5	21	25 / 25.5	29 / 29.6	34	38	42	99S10404EN201
18	22 / 22.4	26	30	35 / 35.2	39		99S10404EN202
15 / 15.5	19 / 19.5	23 / 23.5	27 / 27.6	31	36	41	99S10404EN203
16	20	24	28 / 28.5	32 / 32.6	37		99S10404EN204
13 / 13.2	17 / 17.5	21					99S10404EN205
13.6 / 14	18	22 / 22.4					99S10404EN206

Sertisseurs oléopneumatiques

Oleopneumatic crimping tools

TFS105 (16M)

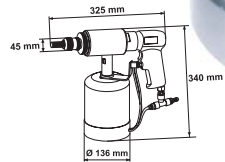
code 99S105

- Force / Force = 6400 daN
- Course / Stroke = 6 - 9 mm

 6 190 g



Réglage course
Stroke setting



Sertisseur oléopneumatique pour inserts filetés de M8 à M16
Oleopneumatic crimping tool for M8 to M16 threaded inserts

ØM	CLUFIX®			
	Acier Steel	Inox Stainless Steel	Inox 316L 316L Stainless Steel	Aluminium
M 8	●	●	●	●
M 10	●	●	●	●
M 12	●	●	●	●
M 14	●	●	●	●
M 16	●	●	●	●

OUTILLAGE POUR TFS105 TOOLING FOR TFS105

CLUFIX®

Tirants et enclumes
Tie-rods and anvils

ENCLUME / ANVIL

ØM	Code	ØM	Code
M 8	99S10501EN080	M 14	99S10501EN140
M 10	99S10501EN100	M 16	99S10501EN160
M 12	99S10501EN120		

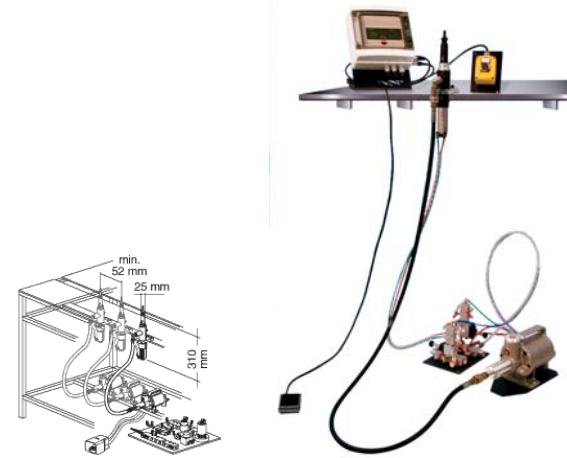


TIRANT / TIE-ROD

ØM	Code	ØM	Code
M 8	99S10501TI080	M 14	99S10501TI140
M 10	99S10501TI100	M 16	99S10501TI160
M 12	99S10501TI120		



Systèmes d'automatisation pour inserts filetés / Automation equipment for threaded inserts



Unité de base pour sertissages multiples d'inserts filetés.
Sertisseur oléopneumatique pour inserts filetés de M3 à M12. L'unité peut être livrée avec commande à pédale ou à double bouton poussoir ; en cas d'applications avec plusieurs unités, ces unités peuvent être montées sur un banc de travail avec entraxes fixes ou variables supérieures à 52 mm.

Main unit for multiple crimping with threaded inserts.
Oleopneumatic crimping tool for threaded inserts from M3 to M12. The unit can be supplied with either pedal control or double-button control. For applications using more than one unit, these can be mounted on a workbench with fixed or variable axle bases over 52 mm.